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Senate Confirms Appointment of New Regent

The appointment of Dr. William N. Hubbard, Jr., of Kalamazoo, Michigan, to the Board of Regents of the National Library of Medicine, National Institutes of Health, has been announced by Elliot L. Richardson, Secretary of Health, Education, and Welfare.

Dr. Hubbard, former Dean of the University of Michigan Medical School, is Executive Vice President, Upjohn Company. He succeeds Dr. William G. Anlyan, whose term recently expired.

This is Dr. Hubbard's second term as a Regent; he was first appointed to the Board by President Kennedy in 1963, and was elected chairman twice, in 1965 and 1966. During that time, Dr. Hubbard was named by President Johnson to the National Advisory Commission on Libraries.

Dr. Hubbard, who received his M.D. from New York University in 1944, joined the faculty of medicine at that institution in 1950; he left as Dean of the New York University College of Medicine in 1959 to become Dean of the University of Michigan Medical School, then Director of its Medical Center. He retired from the University of Michigan to accept his present position with the Upjohn Company.

Dr. Hubbard has been a member of the Board of Directors of the National Board of Medical Examiners since 1967. He is a Fellow of the American College of Physicians and a member of the Harvey Society, the New York Academy of Medicine, and the Association of American Medical Colleges (President, 1966-67).

European MEDLARS Users Hold Workshop

About 40 participants attended a workshop for European MEDLARS users at the World Health Organization Library in Geneva, Switzerland, September 25-27. They included representatives from the United Kingdom, Sweden, Germany, France, WHO, and Australia, and from other user countries -- Spain, Switzerland, Denmark, Norway, and Finland.

The National Library of Medicine was represented by Dr. Joseph Leiter, Associate Director for Library Operations, Dr. Norman Shumway, Head, MeSH Section, BSD, and Mr. Stanley Jablonski, Head, Index Section, BSD.

A special feature of this year's annual workshop was an on-line demonstration of trans-Atlantic MEDLINE service through the network system recently established in

(Continued on Page 3)

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
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NLM Trans-Atlantic Network

On September 20, Tymshare, Inc., the network through which MEDLINE centers access the NLM computer in Bethesda, was extended to Paris in a cooperative venture involving the Tymshare Corporation and Ceges, a French company. Thus, the Library was able to initiate an experiment in trans-Atlantic MEDLINE service between INSERM (l'Institut Natio al de la Santé et de la Recherche Medicale) and NLM. Paris can now access our data base like any other MEDLINE user an obtain on-line bibliographic retrieval from the NLM computer.

The purpose of the experiment is to develop experience in Western Europe wit the on-line system to determine whether there would be sufficient demand to set up such services from a European-based computer. The experiment has special importance in that European users can access the Tymshare network to obtain data not only from MEDLINE, but also from other computerized data bases, such as TOXICON and ERIC, currently available on Tymshare.

This new link between the two continents made it possible to demonstrate MEDLINE in Geneva during the recent European MEDLARS Workshop held there (see page 4).

European Professionals Stressing Medical Self-Instruction

Dr. Charles F. Bridgman, Director of the Library's National Medical Audiovisual Center in Atlanta, recently returned from a fast-paced trip to five European countries. In the Netherlands, Denmark, Sweden, England, and Spain, he addressed and consulted with many health science educators, organizations, and professionals concerned with the development of audiovisual instructional materials.

"There is no question," Dr. Bridgman reported, "about everyone's growing interest in using modern technology to help improve health science education. Some countrie are further along than others, but virtually all are at least beginning to make use of well-designed and peer-evaluated audiovisual teaching materials, particularly those designed for the individual or for small groups of students in self-instructi al settings."

Just as in the United States, Dr. Bridgman explained, medical teaching institutions in Europe are placing greater emphasis on having students learn specific knowledge and skills that they will be called upon to exhibit "in the real world of practice, teaching, or research," after their formal education is completed.

CIM Advance Order Form

A GPO advance order form for the 1972 edition of *Cumulated Index Medicus* is enclose with this issue of the *News*. Please note that the address for ordering is Pueblo, Colorado and not Washington, D. C.

Extramural Programs Sponsors Information Science Conference

The Library's Extramural Programs invited five distinguished members of the biomedical library and information professions to Bethesda to discuss current needs for research in the health information sciences. The principal purposes of the conference, held on October 5, were to (1) inform the EP staff, Biomedical Library Review Committee, and the Board of Regents of the current state of the art; (2) assist EP's Research, Training, and Publications Division in identifying research areas and topics worthy of support; and (3) provide the scientific community at large with a report on the outcome of the conference in an effort to stimulate high-quality research efforts and publicize programs supported by NLM-EP.

Participants and their topics were: Dr. Carlos A. Cuadra, Manager, Education and Library Systems Department, System Development Corporation, "Current Trends in Information Science Research"; Mrs. Pauline A. Atherton, Professor, School of Library Science, Syracuse University, "Information Science Research Methodology: A Critical Analysis"; Dr. Vladimir Slamecka, Director, School of Information and Computer Science, Georgia Institute of Technology, "Biomedical Communications Research Needs and Information Science"; Dr. Cesar E. Caceres, Director, Clinical Systems Association, "Identification and Discussion of Research Needs in Health Sciences Communications"; and Dr. Robert F. Rushmer, Director, Center for Bioengineering, University of Washington, "Future Research Activities in Biomedical Communications."

The discussions were summarized by Dr. Doris A. Merritt, Dean for Sponsored Programs, Indiana-Purdue University at Indianapolis. Dr. Merritt and the speakers also served as discussants following each presentation; other discussants were Dr. Richard M. Dougherty, University Librarian, University of California, Berkeley, and Dr. Stephen A. McCarthy, Executive Director of the Association of Research Libraries.

The rate at which papers are produced concerned four of the five panelists. It was suggested that the motivation for producing papers be investigated, and that the objective of generating information should be patient care rather than intellectual appeal. Concern was also expressed about access time -- i.e., how to deliver scientific data more rapidly than is possible through books or journals.

Two panelists suggested developing methodology to (1) separate significant contributions from the large mass of data generated; and (2) rapidly and accurately identify techniques or tools for problem-solving.

It was recommended that there be studies of various aspects of information needs and uses. These include the use of on-line systems, the information-absorption capacity of the user, and human information-processing.

(European Workshop, from Page 1)

Paris (see page 2).

During the first two days of the meeting, various centers reported on the development of their programs and systems. On the third day, Mr. Jablonski led an indexing workshop, reviewing in detail the changes in the forthcoming 1973 issue of *Medical Subject Headings* (MeSH).

Grant for Development of Mini-Computer System

The University of Minnesota Bio-Medical Library, with support from the NLM, is developing a "mini-computer" system. The Minnesota library will install an inexpensive, freestanding, library-controlled system with on-line visual terminals which can handle all data processing for a medical library. This will include serials control, book ordering, and accounting, cataloging, circulation, and computer-assisted reference service.

The mini-computer project will expand on the automated procedures which are presently in operation in the Bio-Medical Library. Glenn Brudvig is head of the library and Audrey Gresch is project director.

New Toxicology Publication

Now available from the Superintendent of Documents is a new publication of the Library's Toxicology Information Program: *Drug Interactions--An Annotated Bibliography with Selected Excerpts* (1967-1970).

The new casebound publication, with over 1,800 pages, is designed to provide physicians and other health professionals with quick access to reports from the world's published scientific literature on drug-drug and drug-chemical interactions. It contains eight sections: (1) Animal Excerpts, (2) Human Excerpts, (3) Annotated Citations, (4) Author Index, (5) Interactants Index, (6) Index to Interactions, (7) Drug and Chemical Substance Guide, and (8) Therapeutic Classification Guide.

Send remittance of *$14.25 ($17.75 foreign)* in the form of check, money order, or Superintendent of Documents coupons, to the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. 20402. Include the full title and the following stock number in your order: S/N 1752-0139.

Dr. Martin M. Cummings, NLM Director (left) and NIH Director Dr. Robert Q. Marston welcome physicians and scientists from the People's Republic of China, who visited the Library on October 13. The visitors (from left) are: Dr. Wu Wei-jan, head of the delegation, Mr. Wang Lien-sheng, interpreter; and Dr. Chang Shu-Shun, Director of the Peking Tuberculosis Research Institute.

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